

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 31191-229622
		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/576313</b> Not Yet Assigned
INTERNATIONAL APPLICATION NO. PCT/IL05/000317	INTERNATIONAL FILING DATE 20 March 2005	PRIORITY DATE CLAIMED 6 January 2005
TITLE OF INVENTION COMMUNICATION DIODE DRIVER CIRCUIT		
APPLICANT(S) FOR DO/EO/US Tamir SHAANAN, Lev FREILICHER and Leonid SHVEY		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input checked="" type="checkbox"/> Is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 w/PTO/SB/08A Form. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is 13. <input checked="" type="checkbox"/> First preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known) <b>10/1576343</b> Not Yet Assigned	INTERNATIONAL APPLICATION NO. <b>PCT/IL05/000317</b>	ATTORNEY'S DOCKET NUMBER <b>31191-229622</b>												
20. <input checked="" type="checkbox"/> Other items or information: Return Receipt Postcard Submission of Formal Drawings Transmittal Form PCT/IB/304; Form PCT/ISA/237 (Written Opinion) International Search Report														
The following fees have been submitted		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;">CALCULATIONS</th> <th style="width: 40%;">PTO USE ONLY</th> </tr> </table>	CALCULATIONS	PTO USE ONLY										
CALCULATIONS	PTO USE ONLY													
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$300		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 150.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 150.00											
\$ 150.00														
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 All other situations .....\$200		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 100.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 100.00											
\$ 100.00														
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....\$400 All other situations.....\$500		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 200.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 200.00											
\$ 200.00														
<b>TOTAL OF 21, 22 and 23 =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 450.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 450.00											
\$ 450.00														
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.														
Total Sheets	Extra Sheets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td style="width: 30%;">RATE</td> <td style="width: 40%;"></td> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td>x \$250.00</td> </tr> </table>	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		- 100 =	/50 =	x \$250.00						
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- 100 =	/50 =	x \$250.00												
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$</td> <td style="width: 40%;"></td> </tr> </table>	\$											
\$														
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$</td> <td style="width: 40%;"></td> </tr> </table>	\$											
\$														
CLAIMS	NUMBER FILED	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">NUMBER EXTRA</td> <td style="width: 30%;">RATE</td> <td style="width: 40%;"></td> </tr> <tr> <td>Total claims</td> <td>8 - 20 =</td> <td>x 0.00</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>x 0.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ </td> </tr> </table>	NUMBER EXTRA	RATE		Total claims	8 - 20 =	x 0.00	Independent claims	1 - 3 =	x 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+
NUMBER EXTRA	RATE													
Total claims	8 - 20 =	x 0.00												
Independent claims	1 - 3 =	x 0.00												
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+												
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 450.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 450.00											
\$ 450.00														
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.														
<b>SUBTOTAL =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 450.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 450.00											
\$ 450.00														
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$</td> <td style="width: 40%;"></td> </tr> </table>	\$											
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<b>TOTAL NATIONAL FEE =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 450.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 450.00											
\$ 450.00														
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 40.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 40.00											
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\$														
<b>TOTAL FEES ENCLOSED =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 490.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 490.00											
\$ 490.00														
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Amount to be refunded:</td> <td style="width: 40%;">\$</td> </tr> </table>	Amount to be refunded:	\$										
Amount to be refunded:	\$													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Amount to be charged</td> <td style="width: 40%;">\$ 490.00</td> </tr> </table>	Amount to be charged	\$ 490.00										
Amount to be charged	\$ 490.00													

10/576343

AP20 Rec'd PCT/PTO 18 APR 2006

PTO-1390 (Rev. 07-2005)  
Approved for use through 03/31/2007. OMB 0651-0021  
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 22-0261 in the amount of \$ 490.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit  
Account No. 22-0261. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information  
should not be included on this form.** Provide credit card information and authorization on PTO-2038

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be  
filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

  
SIGNATURE

CUSTOMER NUMBER: 26694

Robert Kinberg  
NAME

26,924  
REGISTRATION NUMBER

742527

APPROVED 18 APR 2006

PTO/SB/17 (01-06)

Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL</b> <b>For FY 2006</b>		<b>Complete if Known</b> Application Number <b>10/25/05 343</b> Filing Date <b>Concurrently Herewith</b> First Named Inventor <b>Tamir SHAANAN, et al.</b> Examiner Name <b>Not Yet Assigned</b> Art Unit <b>Not Yet Assigned</b> Attorney Docket No. <b>31191-229622</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) <b>490.00</b>			

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account    Deposit Account Number: <b>22-0261</b> Deposit Account Name: <b>Venable LLP</b>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee	
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments	

<b>FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
<b>2. EXCESS CLAIM FEES</b>							<b>Small Entity</b> <b>Fee (\$)</b> <b>Fee (\$)</b>
<b>Fee Description</b>							
Each claim over 20 (including Reissues)							50    25
Each independent claim over 3 (including Reissues)							200    100
Multiple dependent claims							360    180
<b>Total Claims</b> <b>Extra Claims</b> <b>Fee (\$)</b> <b>Fee Paid (\$)</b>				<b>Multiple Dependent Claims</b> <b>Fee (\$)</b> <b>Fee Paid (\$)</b>			
8    -20 =    x    =							
HP = highest number of total claims paid for, if greater than 20.							
<b>Indep. Claims</b> <b>Extra Claims</b> <b>Fee (\$)</b> <b>Fee Paid (\$)</b>							
1    -3 =    x    =							
HP = highest number of independent claims paid for, if greater than 3.							
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<b>Total Sheets</b> <b>Extra Sheets</b> <b>Number of each additional 50 or fraction thereof</b> <b>Fee (\$)</b> <b>Fee Paid (\$)</b>							
- 100 =    /50    (round up to a whole number) x    =							
<b>4. OTHER FEE(S)</b> <b>Fees Paid (\$)</b>							
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge): 8021 Recording each patent assignment, agreement or ...    40.00							
2631 Basic National Stage fee    150.00							
2642 National Stage Search Fee - search report ...    200.00							
2633 National Stage Examination Fee - all other ...    100.00							

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	26,924
Name (Print/Type)	Robert Kinberg	Telephone	(202) 344-4000
		Date	April 18, 2006

#742690

10/576343

AP20 Rec'd PCT/PTO 18 APR 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Tamir SHAANAN et al.

Appl. No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Filed: Concurrently Herewith

For: COMMUNICATION DIODE  
DRIVER CIRCUIT

International Application No.:  
PCT/IL/2005/000317

International Filing Date:  
March 20, 2005

Examiner: Not Yet Assigned

Atty. Docket No.: 31191-229622

Customer No.

26694

PATENT TRADEMARK OFFICE

**Submission Of Formal Drawings**

Commissioner of Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

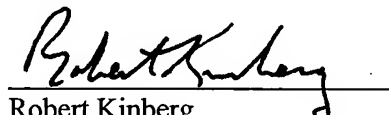
Sir:

Submitted herewith are 5 sheets of formal drawings containing Figures 1, 2, 3A-

3D, 4 and 5.

Respectfully submitted,

Date: 4/18/06

  
Robert Kinberg  
Registration No. 26,924  
VENABLE LLP  
P.O. Box 34385  
Washington, D.C. 20043-9998  
Telephone: (202) 344-4000  
Telefax: (202) 344-8300

#742663